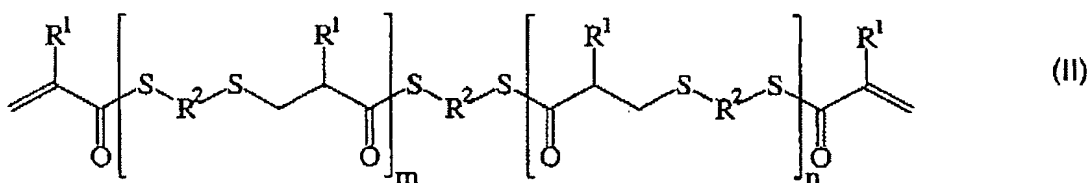


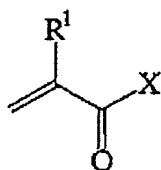
IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A process ~~Process~~ for preparing a transparent plastic,  
comprising polymerizing a mixture, comprising ~~containing~~ the compounds of the formula I  
and formula II

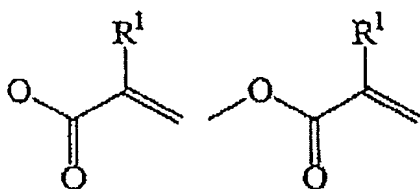


where  $R^1$  is independently at each instance hydrogen or a methyl radical,  $R^2$  is independently at each instance a linear or branched, aliphatic or cycloaliphatic radical or a substituted or unsubstituted aromatic or heteroaromatic radical, and  $m$  and  $n$  are each independently an integer of not less than 0, subject to the proviso that  $m + n > 0$ , and  
wherein ~~characterized in that~~ they contain more than 10 mol%, based on the total amount of the compound as per formula (I) and (II), of compounds of the formula (II) where  $m + n = 2$ ,  
prepared ~~preparable~~ by using 1.0 to less than 2.0 mol of a at least one compound of the formula (III)

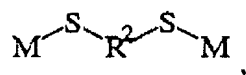


(III)

where X is chlorine or a radical



with one mole of at least one polythiol of the formula (IV)



(IV)

where M is independently at each instance hydrogen or a metal cation,

and in that the solvent L is acetone, acetonitrile, acetophenone, benzyl acetate, n-butyl acetate, quinoline, chlorobenzene, o-chlorotoluene, m-chlorotoluene, p-chlorotoluene, o-dichlorobenzene, m-dichlorobenzene, diethyl ether, diisopropyl ether, dimethyl phthalate, dipropyl ether, ethyl acetate, ethyl benzoate, ethyl butyrate, ethyl formate, ethyl salicylate, isoquinoline, 2-methoxyethyl acetate, methyl acetate, methyl benzoate, methyl butyrate, methyl ethyl ketone, methyl formate, methyl isoamyl ketone, methyl isobutyl ketone, methyl propionate, 2-methylpyridine, N-methyl-2-pyrrolidone, methyl salicylate, nitrobenzene,

o-nitrotoluene, m-nitrotoluene, p-nitrotoluene, 2-pentanone, 3-pentanone, phenyl acetate, propyl formate, pyridine, tetrahydrofuran or mixtures thereof.

Claim 2 (Currently Amended): The process ~~Process~~ according to Claim 1, wherein ~~characterized in that the reaction~~ polymerization is carried out under protective gas atmosphere.

Claim 3 (Currently Amended): The process ~~Process~~ according to ~~at least one of the preceding Claims 1 to 2~~ Claim 1, wherein ~~characterized in that the~~ at least one compound of the formula (III) is selected from acrylic anhydride, methacrylic anhydride or mixtures thereof.

Claim 4 (Currently Amended): The process ~~Process~~ according to ~~at least one of the preceding Claims 1 to 3~~ Claim 1, wherein ~~characterized in that the~~ at least one polythiol of the formula (IV) is ethanedithiol.

Claim 5 (Currently Amended): The process ~~Process~~ according to ~~at least one of the preceding Claims 1 to 5~~ Claim 1, wherein ~~characterized in that the~~ at least one compound ~~or compounds~~ of the formula (IV) ~~are~~ is used in the form of an aqueous alkaline solution which contains 1.1 to 1.5 equivalents of at least one Bronsted base, based on the total amount of the at least one compound ~~or compounds~~ of the formula (III).

Claim 6 (Currently Amended): The process ~~Process~~ according to ~~at least one of the preceding Claims 1 to 5~~ Claim 1, wherein ~~characterized in that the~~ at least one compound ~~or compounds~~ of the formula (III) and the at least one compound ~~or compounds~~ of the

formula (IV) are concurrently metered into ~~the~~ a reaction vessel in at least one inert organic solvent L and in an aqueous alkaline solution, respectively.

Claim 7 (Currently Amended): The process ~~Process~~ according to ~~at least one of the preceding Claims 1 to 6~~ Claim 1, wherein ~~characterized in that the reaction polymerization is~~ carried out at temperatures in the range from 20°C to 80°C.

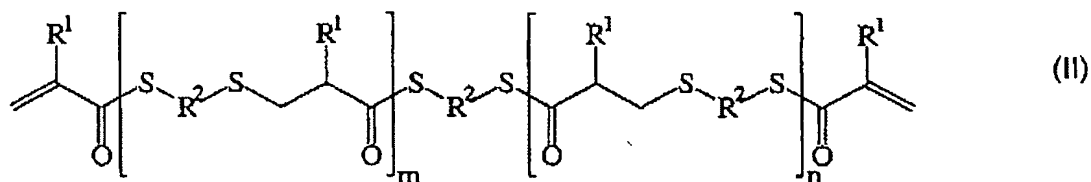
Claim 8 (Currently Amended): The Use of the ~~Use of the~~ process according to Claim 1, wherein ~~characterized in that~~ an acidic ion exchanger is used.

Claim 9 (Currently Amended): A Use of the ~~highly transparent plastic prepared according to the process of Claim 1 of at least one of Claims 1 to 8 as an optical lens, preferably ophthalmic lens.~~

Claim 10 (Currently Amended): An optical ~~Optical especially ophthalmic lens comprising a highly the transparent plastic as claimed in at least one of Claims 1 to 9~~ Claim 9.

Claim 11 (New): The optical lens of Claim 10, wherein the lens is an ophthalmic lens.

Claim 12 (New): A process for preparing a mixture, comprising the compounds of the formula I and formula II



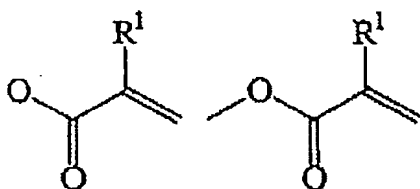
where  $R^1$  is independently at each instance hydrogen or a methyl radical,  $R^2$  is independently at each instance a linear or branched, aliphatic or cycloaliphatic radical or a substituted or unsubstituted aromatic or heteroaromatic radical, and  $m$  and  $n$  are each independently an integer of not less than 0, subject to the proviso that  $m + n > 0$ , and

wherein they contain more than 10 mol%, based on the total amount of the compound as per formula (I) and (II), of compounds of the formula (II) where  $m + n = 2$ , and

wherein said process comprising reacting 1.0 to less than 2.0 mol of at least one compound of the formula (III)



where  $X$  is chlorine or a radical



with one mole of at least one polythiol of the formula (IV)



where M is independently at each instance hydrogen or a metal cation.

Claim 13 (New): A mixture comprising the compounds of the formula I and formula II, prepared by the process of Claim 12.

Claim 14 (New): The process according to Claim 12, wherein the reaction is carried out under protective gas atmosphere.

Claim 15 (New): The process according to Claim 12, wherein the at least one compound of the formula (III) is selected from acrylic anhydride, methacrylic anhydride or mixtures thereof.

Claim 16 (New): The process according to Claim 12, wherein the at least one polythiol of the formula (IV) is ethanedithiol.

Claim 17 (New): The process according to Claim 12, wherein the at least one compound of the formula (IV) is used in the form of an aqueous alkaline solution which contains 1.1 to 1.5 equivalents of at least one Bronsted base, based on the total amount of the at least one compound of the formula (III).

Claim 18 (New): The process according to Claim 12, wherein the at least one compound of the formula (III) and the at least one compound of the formula (IV) are concurrently metered into a reaction vessel in at least one inert organic solvent L and in an aqueous alkaline solution, respectively.

Claim 19 (New): The process according to Claim 12, wherein reaction is carried out at temperatures in the range from 20°C to 80°C.

Claim 20 (New): The process according to Claim 12, wherein an acidic ion exchanger is used.